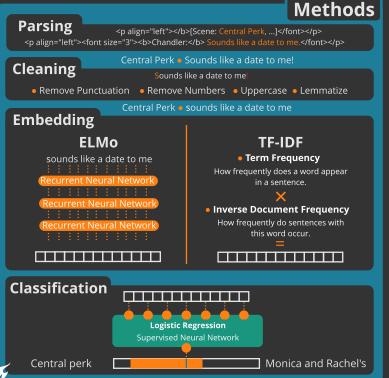
Extracting location context from transcripts

Research

Using transcripts from the series F.R.I.E.N.D.\$

To what extent can we predict at which location a

line was said using feature extraction techniques?



Results

Accuracy

Using 5-fold cross-validation

ELMo **58.8%**

TF-IDF **66.2%**

Effective Cleaning

- Lemmatiztion
- Rem. Numbers
- Rem. Punctuation

ELMo

×

TF-IDF

1

Minimum Word Filter

 Removing short sentences improves performance.



TF-IDF word associations

Words that are strongly associated with either location by the classifier.

Central perk upstairs • dollar • spontaneous • cops • Russ

Monica and Rachel's beer • neighborhood • kitchen • breast • tasted

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Paper: http://resolver.tudelft.nl/uuid:ad4e3624-4f39-4a64-a678-c232e3f8d7da